

dearmember



We're in the midst of celebrating the 10 years SUE has been at The Field Museum. Since SUE was unveiled, over 16 million people have come to the Museum and have seen the world's largest T. rex standing guard in Stanley Field Hall.

As you flip through the pages of this issue of ITF, you'll notice that in honor of SUE's anniversary, we've given the magazine a facelift. Rest assured though, you'll still be able to find the same exciting articles about

upcoming exhibitions, scientific research, and behind-the-scenes action that have always filled its pages. In this issue, we explore the Museum's newest temporary exhibition, Climate Change (page 8) and describe how April's meteorite fall in Wisconsin added to our meteorite collection (page 7). Please note that we have changed the magazine's schedule and you will receive your next issue of ITF in late August.

We deeply appreciate all the support received from both old and new Field Museum members during the last decade and hope you'll spend the next 10 years with us!

Please plan to visit us soon as we proudly celebrate 10 years of SUE.

MICHELLE CLAYTON

Director of Membership

JOHN MCCARTER

President





Overnights are for families with children ages 6-12. They take place on Fridays from 5:45pm through 9am the following morning. Reservations will be taken on a first-come, first-served basis. For additional information, pricing, or to purchase tickets for this event, visit fieldmuseum.org/overnights or call 312.665.7400. ITF

Presenting Sponsor: Sears Holdings Corporation

WE ARE PLEASED TO ANNOUNCE THE DATES FOR THE UPCOMING 2011 SEASON OF DOZIN' WITH THE DINOS.

January 7, 14, & 28 • February 4, 11 & 18 • March 4 & 11 May 6 • June 10

REGISTRATION IS NOW OPEN!

STUDIOS STATES

PHOTO CONTENT SPECIALIST

ON THE COVER



SUE's Adventures on the World Wide Web

By Rebecca Reeves, Web and eCommunications Developer

FOR A DINOSAUR WHO'S OVER 65 million years old. SUE is really tech savvy. While getting ready for SUE's anniversary, the world's largest T, rex has joined Facebook and Twitter. The Museum also just launched two new SUE websites in the dino's honor.

Visit fieldmuseum.org/SUE to discover photo galleries, behind-the-scenes videos. and scientific research all about SUE. Here, you'll find the real story behind the discovery and dispute over SUE and the record-breaking sale that brought SUE to The Field Museum. Visitors to the site will also get new behind-the-scenes scoop on the science behind the world's most famous T. rex. Take a moment to learn more about SUE's journey from the badlands of South Dakota to The Field Museum. Be sure to also visit SUEescapes.com this summer. You can explore the site wearing 3-D glasses, and you can see the trailer to SUE's new 3-D movie, Waking the T. rex 3-D: The Story of SUE. You can even send SUE a card celebrating her anniversary at the Museum. She'll thank you with a special ringtone or wallpaper for your computer!

If you're looking to add a little dinosaur humor to your day, you can also find SUE on Twitter at twitter.com/SueTheTrex or on Facebook at facebook.com/SueTheTrex. SUE's feeds will also keep you up-to-date on the exciting events at the Museum. You'll soon discover SUE is sassier than you ever imagined! She's been quiet for over 65 million years, so she

has a lot to say now! ITE

RoboSUE is fitted with the latest facial detection technology, allowing her to react to visitors as they abbroach her











Meet Robo

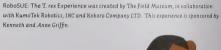
Above: Discover raptors munching on their latest kill and a Triceratops quarding her nest all inside RoboSUE: The T. rex Experience.

Below: RoboSUE lets out a mighty roar. warning visitors not to get too close!

ALL IMAGES BY KAREN BEAN

IT ISN'T EVERY DAY that you can see SUE as she probably looked in real life, but now through Labor Day, The Field Museum is hosting RoboSUE: The T. rex Experience, to make SUE and her contemporaries come alive. This experience is something you have to see to believe—each dinosaur looks as if it could walk out into the streets of Chicago at any minute!

The dinosaurs in RoboSUE are created using high-tech robotics and are specially designed to react to visitors' movements. You can even see what each dinosaur is looking at through a special "dino-vision" monitor. Be sure to reserve your discounted Member tickets to RoboSUE before these Cretaceous creatures leave Chicago! ITF







SUE Hosts Her Very Own Special Sleepover

By Krystal Villanosa, Communications and Digital Learning Manager

DOZIN' WITH THE DINOS is full of brand new experiences, even for those of you who have joined us on one of our many sleepovers in the past! Bring your sleeping bag to the Museum on Aug. 6 and help us celebrate SUE the T. rex's 10th anniversary with a very special, SUE-themed Dozin' with the Dinos. From excavating fossils just like real Field Museum scientists to examining SUE's bones up close, this evening is jam-packed with activities for dino-lovers! Complete your experience with a visit to RoboSUE: The T. rex Experience and a viewing of Waking the T. rex 3-D: The Story of SUE-all before bedtime!* Not enough fun for one night? As a special treat, you and your child can work with a LEGO Master Builder to create a mammoth project to be put on display.

*Waking the T. rex 1-D is available for an additional fee.

Digitized by the Internet Archive in 2011 with funding from Biodiversity Heritage Library

http://www.archive.org/details/infieldbulleti8132010fiel

Last spring, Philip Willink spoke with NBC5's Rob Elgas about the importance of Lake Michigan and the fish that inhabit it.



By Laurice Shelven

In The News: Asian Carp

THE ASIAN CARP MAY NOT HAVE found their way into Lake Michigan, but they invaded the headlines of local newspapers for months. From new legislation to law suits, these pesky fish have been the cause of both ecologic and economic debate.

Asian carp were brought from China in the 1970s to help regulate catfish farms in Arkansas and Mississippi. Since then, they have migrated into the Mississippi River, and eventually the Illinois River and are now threatening to invade our very own Lake Michigan-posing many threats for Chicago.

The Field Museum's Philip Willink, assistant collections manager of fishes, has provided information on Asian Carp in Chicago via his website (contact ITF for a link). He describes the many ways local officials and scientists have discussed keeping the Asian Carp out of our lake. An electric barrier has been in use since 2002, but is not 100 percent effective.

> Asian Carp could outcompete fish like these Walleye, native to Lake Michigan, if the carp were to invade the Great Lakes.

Willink believes, "The only viable method of stopping the spread of Asian Carp through the Chicago Canal system is to close the locks and dam the canal. You could conceivably allow some of the lock and dam complexes to spill over, forming waterfalls." If these waterfalls are high enough, then the Asian Carp could not jump over them, he says. However, Willink explains that the problem with closing the dams is that fish are not the only species that use this waterway.

According to Willink, "We need to choose between keeping the canals open to allow boats and barges to move between the Mississippi and Great Lakes, or close the canals and stop the spread of invasive Asian Carp." This is a big decision over such a small species.

The Asian Carp debate is on-going. Check out local news media to see the latest on this hot topic. ITF

Field Museum Finds Over 100 New Species in 2009

Every year, Field Museum scientists travel to the far ends of the Earth to complete their scientific research. A scientific expedition can always lead to new discoveriesmany times, the discovery of new species. In fact, 117 new species were discovered in 2009 by Museum scientists. These species ranged from tiny insects, to flowering plants, to new dinosaurs. A map indicating where some of the species were discovered is on the opposite page (page 7).

SUMMER 2010 July & August



Program Tickets & Info 312.665.7400 General Museum Info 312.922.9410



MAGE CREDITS, FROM LEFT TO RIGHT. THE FIELD MUSEUM/GU90697_068D; THE FIELD MUSEUM/GU90697_131D; THE FIELD MUSEUM/GU90697_068D; THE FIELD MUSEUM/JOHANNA THOMPSON

No refunds are permitted for any program. Fees for programs that are cancelled by The Field Museum will be refunded in full.







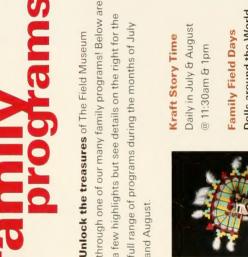
based, downloadable activities and articles designed to encourage outdoor exploration, creative play, and self-expression. Email us literacy resource geared towards families with young children ages two through six. Each quarterly issue will feature themeat playlab@fieldmuseum.org to start This e-newsletter is an early science receiving emails.

through one of our many family programs! Below are a few highlights but see details on the right for the full range of programs during the months of July



Dolls around the World July 17 @ 11am

August 21 @ 11am My First Diary





Kraft Story Time* family program

Family PlayLab to hear a story and make an art project to take Daily in July, 11:30am & 1pm > Take a seat in the Crown home-all in 20 minutes!

Dino Camp summer camp

6.29 & 7.1 or 6.30 & 7.2 (two sessions)

explorers ages 3-5 with their caregivers. Join us for two days see SUE's skull, and dig for dinosaur bones! Choose from one of dino discovery where we will learn how to spot a dinosaur, 9am-12pm each day > I spy a dinosaur, do you? This new early childhood camp is designed expressly for young of the two sessions listed above. \$75, members \$65 (one adult included in the price for each camper)

Educator Viewing: Climate Change educator program

7.12, 4pm-7pm > Climate Change presents clear scientific go behind the scenes with experts, glimpse the future as the crisis. Activities and free resources will be geared for educators teaching grades 3-12. Meets ILS Goals 11, 12. it might be and understand some possible solutions to evidence for climate change, past and present, and its far-reaching consequences. Examine the evidence, Earn 3 CPDUs. FREE (no admission required)

Summer Worlds Tour 2010 summer camp

summer program for children ages 5-10 years old and hosted Aquarium. Campers will investigate exhibits, create original 9am-3pm each day > Summer Worlds Tour is a week-long art projects, play learning games, and have lunch along the 7.12-7.16, 7.19-7.23, 7.26-7.30 or 8.2-8.6 (four sessions) shores of Lake Michigan. Choose one of the four sessions by the Adler Planetarium, The Field Museum, and Shedd isted above. \$285, members \$255

Family Field Day:

Dolls around the World* family program

7.17, 11am > Stop by the Crown Family PlayLab to learn about cultural traditions through doll-making.

Artists and Authors present

Tim Magner: Earl the Earthworm Digs

7.17, 1pm > Come meet author Tim Magner and



Every year we offer summer camps that let kids explore plants and animals! Choose one of the camps below the amazing wonders of rocks and fossils, people, Go camping at The Field Museum! and see details on the right. Dino Camp > ages 3-5



July 12-16, July 19-23, July 26-30 or August 2-6

9am-3pm each day

Summer Worlds Tour 2010 > ages 5-10

(four week-long session options)

June 29 & July 1 or June 30 & July 2

9am-12pm each day

(two 2-day session options)

available now!

Access these games by visiting fieldmuseum.org/education and clicking on Online Learning.





Invasion!

a Carp Czar and see how your actions advocacy groups, and more to try to the online game INVASION! Become Learn about the threat of the Asian Carp to the Great Lakes by playing stop the Asian Carp from reaching affect your public approval rating. You will interact with the media, Lake Michigan. Good luck!

to dive into WhyReef at different times out who eats who on a reef. Be sure

of the day...you never know when

a great white shark or a giant sea

turtle might swim by!

This project is made possible through a partnership with Carnegie Mellon University's Entertainment Technology Center. Funding provided by the MacArthur Foundation.

GRAPHICS COURTESY OF THE BRIDGES TEAM AT CARNEGIE MELLON'S ENTERTAINMENT TECHNOLOGY CENTER

the underwater world of coral reefs!

Grab your scuba gear and explore

WhyReef

and find out what can make it sick

Learn the signs of a healthy reef

Swim with the different creatures that live in and around a coral reef and play a food web game to find

Animal Adventure is a fun, educational and more! The object of each game K-6. Play this game to learn about game about biodiversity in Illinois Wetlands. The game is located in the virtual world of kidscom.com sandhill cranes, crayfish, coyotes, is to collect pictures of an animal, that will save the endangered habitats of these animals.

of The Comer Foundation Fund at The Chicago Project is made possible through the support Community Trust.

from the John D. and Catherine T. MacArthur

Foundation.

WhyReef is made possible with funding

on Aug. 6, you and your child can work with a LEGO Master Builder to create a mammoth to be put on public display As a special treat for the Dozin' with the Dinos program in the Museum!





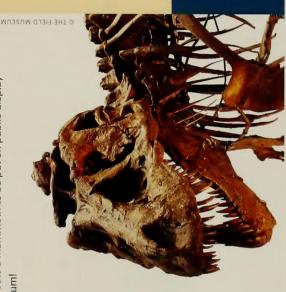
Tickets for the 2010–2011 season of National Geographic Live go on sale in August. For program details, visit nglive.org. Stay tuned!

Animal Adventure

and is geared towards kids in grades make a puzzle, and vote on solutions

Tickets for the 2011 season of

Dozin' with the Dinos are on sale now! See back page for details.



andne

as they read the coming-of-age of Earl the earthworm.

After the reading, you will learn how to make your

own worm bin!

Kraft Story Time* family program

Family PlayLab to hear a story and make an art project to take Daily in August, 11:30am & 1pm > Take a seat in the Crown home-all in 20 minutes!

Digital Planet teen program

8.2-8.6 or 8.9-8.13 (two sessions)

of the two sessions listed above. FREE (no admission required) teens going into grades 9-12 integrates climate science with behind the scenes, meet real scientists AND script, film, edit filmmakers. This program is in partnership with the Pearson and produce their own video with the help of professional Foundation's Mobile Learning Institute. Choose from one digital film skills. Teens will explore museum exhibits, go 9am-3:30pm each day > This week-long workshop for

Dozin' with the Dinos overnight program

having a sleepover! The August program will celebrate SUE's fieldmuseum.org/overnights for pricing and program details. 10th anniversary! From handling the tools scientists use for excavating fossils to examining SUE's bones up close, this evening is jam packed with activities for dino-lovers! Visit 8.6, 5:45pm Friday - 9am Saturday > SUE the T. rex is Presenting Sponsor: Sears Holdings Corporation

Family Field Day: My First Diary* family program

record their transactions, battles, and histories. Join us in the Crown Family PlayLab and record your own history by making hand-made paper from the Mayan tradition—Papel Amate. 8.21, 11am > Ancient cultures learned to make paper to

FREE with Museum Admission

event details are available online!

A PEEK AT PROGRAMS THIS FALL AT THE FIELD!



Family Field Day: Corn Husk Flowers* family program

9.18, 11am > There is a long tradition in the Americas of making flowers from corn husks. Come learn about this beautiful craft from artist Patricia Carlos and make your own flowers to take home with you!

l Dig Brazil! teen program

9.20–12.9, Mondays & Wednesdays, 3pm–4:30pm > Attention 10th and 11th graders! Go on a virtual fossil dig at The Field Museum! Work with an international team of scientists in Brazil and discover what it's like to be a paleontologist. Through this program, you will understand extinctions and climate change; collaborate with teens in New York via a virtual world; learn about Brazilian culture and issues directly from Brazilian youth; and use the latest in digital media technologies. This project is developed in partnership with Global Kids, Inc.

If you are interested in this program, send an email to idigscience@fieldmuseum.org for more information and to request an application.

NOS on sale now



We are pleased to announce the dates for the upcoming 2011 season of Dozin' with the Dinos.

January 7, 14, & 28 • February 4, 11 & 18 • March 4 & 11 • May 6 • June 10

Visit fieldmuseum.org/overnights for more information or to purchase tickets. See page 4 in magazine for program details.



Fossil Hunt at Mazon Creek family field trip

9.25, 8am-3pm > Do you like to hunt fossils? Come with us to the world-famous Mazon Creek site, and discover what Illinois was like more than 300 million years ago! Plan on a one-quarter mile walk to fossil locations. This program is for families with children ages 8–17. Pre-registration required. \$40, members \$28

*FREE with Museum Admission







Meteorite Mania

By Orly Telisman, Manager of Media Relations

WHEN WAS THE LAST TIME THE SKY FELL? FOR THE VILLAGE OF LIVINGSTON, WISCONSIN, IT WAS APRIL 14, 2010.





Some area residents thought a bad storm was approaching. A few farmers sitting outside thought the sky above them was exploding. They were both right, in a way. A meteor, the size of an SUV, entered Earth's atmosphere, and split into thousands of tiny pieces (meteorites) which were scattered throughout the countryside.

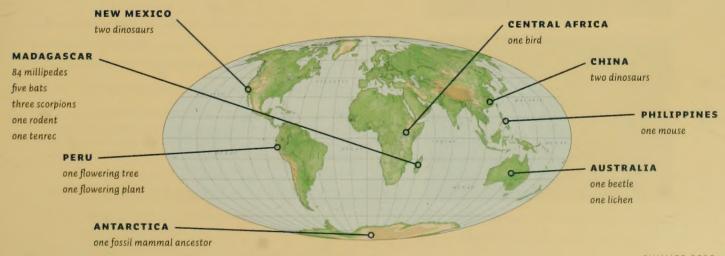
Lake Forest meteorite collector Terry Boudreaux started north in his car with his teenage sons—everyone ready for an adventure, searching for space rocks. Boudreaux, whose wife Gail is a Field Museum trustee, bought some small meteorites from local farmers (even donating one to The Field Museum). Boudreaux promised to return and talk to students of a local elementary school. The next week, Boudreaux and Jim Holstein, from the Museum's Robert A. Pritzker Center for Meteoritics and Polar Studies, gave a presentation at lowa Grant Elementary and explained how meteorites are studied at The Field Museum.

After the presentation, the enthusiastic students crawled around outside, determined to find meteorites of their own and two lucky kids made unbelievable discoveries! One, first grader Jackson McCluskey, found a piece just a few feet away from his jungle gym. The rock had been sitting in the school yard for an entire week!

Boudreaux continues to make calls and trips to Wisconsin hoping to add bigger meteorite pieces to his collection. To him, owning a piece of our universe billions of years old is an out-of-this world delight. ITF

Left: Jim Holstein explains to students what to look for when meteorite hunting (top). First grader Jackson McCluskey proudly holds up the meteorite he found while playing on the playground (bottom).

METEORITE IMAGE CREDITS (TOP, LEFT TO RIGHT):
GEO94944C / RON TESTA, GEO86367_02D / JOHN WEINSTEIN, GEO84843C / RON TESTA





Putting the Facts Within Your Reach

By Emily Waldren, Editor

DOES NEWS COVERAGE ABOUT GLOBAL CLIMATE CHANGE LEAVE YOU MORE AND MORE CONFUSED? DO YOU FEEL LIKE GIVING UP, AND HOPE YOUR KIDS' GENERATION FIGURES THINGS OUT? WELL, YOU MIGHT SURPRISE YOURSELF IN REALIZING THAT A LOT OF CLIMATE SCIENCE IS WITHIN YOUR REACH.



Visitors to Climate Change will see examples of how the environment has changed since the Industrial Revolution (below), and will also learn about fast-developing alternative energy technologies (above).





In experiencing Climate Change (through Nov. 28), The Field Museum's newest exhibition, you'll understand why the overwhelming majority of climate scientists around the world conclude that global climate change is currently taking place, and at an accelerating pace. As you engage in the exhibition, you'll learn how researchers look at ancient ice, ocean chemistry, and climate patterns in different parts of the world to identify the specific changes that have occurred since the Industrial Revolution, when humans began releasing greenhouse gases in large quantities. The exhibition makes this science understandable to visitors by using interactive kiosks, videos, colorful graphics, and dioramas.

In the exhibition, you'll realize just how important your individual actions are, and why they're absolutely worth doing. But more than simply encouraging you to change the type of light bulbs you use, this exhibition explains how large-scale new technologies hold the promise to solve some of our problems. Solutions also partly lie in saving forests, which crucially "soak up" carbon dioxide and slow down climate change for the entire planet. You can also learn about notable successes Chicago has had in reducing greenhouse gas emissions, and how our region is preparing for the future.

At the end of the exhibition, you'll probably still have questions. Visitors will have a chance to voice questions and opinions at the exhibition's "talk back" station. The Field also has found that some lively debates about climate-related issues have been taking place on its Facebook page (facebook.com/fieldmuseum).

The Field Museum has a long tradition of tackling tough scientific subjects. In the years and decades to come, the Museum will continue to address topics related to climate change and its direct and indirect effects on our health, resource availabilities, national economies, and quality of life. ITF

Climate Change is organized by the American Museum of Natural History, New York, in collaboration with The Field Museum, Chicago; the Abu Dhabi Authority for Culture & Heritage, United Arab Emirates; The Cleveland Museum of Natural History; Instituto Sangari, São Paulo, Brazil; Junta de Castilla y León, Spain; Korea Green Foundation, Seoul; Natural History Museum of Denmark, Copenhagen; Papalote Museo del Niño, Mexico City; and the Saint Louis Science Center.

Sponsored by Exelon Corporation, Motorola Foundation, HSBC-North America, Jones Lang LaSalle, and Whole Foods Market.



Did you know?

The Field Museum has been publishing a member magazine since January of 1930. It has had three different names: Field Museum News, The Bulletin, and finally, In The Field.

always be discovering.



Museum Leads the Way for Change

Did you know the **Division of Environment, Culture and Conservation** (ECCo) at The Field is a leader in making progress to accomplish exciting action initiatives? Here are just a few projects ECCo is currently working on:

- Implementing the Climate Action Plan for Nature (CAPN), a regional strategy for conservation of natural areas;
- Updating the Chicago Wilderness Biodiversity Recovery Plan, to help guide forest preserve districts and others by defining best management practices in the light of climate change impacts; and
- Working with Chicago's Department of Environment and other partners to translate local impacts of climate change into community engagement programs for climate action.

Field Museum Memberships

Time to renew your membership?

Call 312.665.7700 • Mon.-Fri, 8:30am-4:30pm Visit fieldmuseum.org/membership

Field memberships also make great gifts!

Getting to The Field Museum

Many buses and rail lines provide access to The Field Museum. For more information, call 888.YOURCTA or visit www.transitchicago.com. Visit www.rtachicago.com for regional transit information.

What do you think about In The Field?

For questions about the magazine, call 312.665.7107, email ewaldren@fieldmuseum.org or write Emily Waldren, Editor. For general membership inquiries, including address changes, call 866.312.2781.

museum campus^{neighbors}

ADLER PLANETARIUM

Climb, crawl and fly through **Planet Explorers**, a modern-day space adventure for kids and families. The Adler's new permanent exhibition lets future space explorers enter a world where they can play and learn. Check out **Journey to the Stars**, a new space show that takes visitors on a trip through time to experience the life and death of stars. Visit www.adlerplanetarium.org for details.

SHEDD AQUARIUM

During Shedd Aquarium's new **30-minute penguin encounter**, you'll be introduced to an outgoing penguin and even touch its sleek, slick feathers. A trainer will also tell you fascinating facts about Shedd's penguin population. Morning and afternoon encounters take place every day. Children must be at least 4 years old, and kids 4 to 11 must be accompanied by a paying guardian. Call 312.692.3355 for details and reservations.



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Rediscover the Crown Family PlayLab

By Emily Waldren, Editor



NEXT TIME YOU AND YOUR FAMILY visit the Museum, be sure to stop into the *Crown Family PlayLab*. Built specifically for families with young children, the *Crown Family PlayLab* always has something new to discover and explore.

The moment you step into the *Crown Family PlayLab* you'll realize it's a space unlike any other in the Museum. With six separate and immersive play areas, the *Crown Family PlayLab* has something for every young adventurer in your family. Animal lovers will enjoy dressing up as their favorite woodland creature and playing in an *Illinois Woodland*, filled with hidden animals for children to discover. Children can also create a masterpiece in our *Art Studio*—the studio is featuring SUE activities throughout the summer in honor of SUE's 10th anniversary. Be sure



to visit the **Rhythm Section** where little ones can play drums and listen to rhythms from around the world. And budding scientists can explore real artifacts from the Museum's collections and can even dig up some of SUE's dinosaur bones in our **Scientist Lab** and **Dino Field Station!**

The Crown Family PlayLab is generously sponsored by the Crown family.

Stock up on SUE Gear!

CELEBRATE SUE this summer with the opening of the *RoboSUE* Store, located adjacent to Stanley Field Hall. You'll discover a whole world full of dinosaur toys, games, books and

surprises that we've combed the world to find. The original SUE Store will be in a festive mode as well, so be sure to stop in after seeing the new 3-D movie, *Waking the* T. rex: The Story of SUE. As always, you can shop 24 hours a day at **fieldmuseum.org**.

Remember that all proceeds from the Stores directly support the Museum's public and scientific programs and that Field Museum members receive 10 percent off their purchases.